

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Currently Amended) Imaging module, comprising
a lens holder holding a lens;
a foot holding an image sensor chip; and
a detachable locking structure for fixing a mutual position of the lens holder and the foot with respect to each other in at least one direction, wherein the locking structure allows the foot to slide along an inner surface of the lens holder while preventing any rotation of the foot with respect to the lens holder,
wherein the locking structure utilizes a snap connection between the lens holder and the foot.

2. (Canceled)

3. (Currently Amended) Imaging module according to claim 1, wherein the locking structure comprises ~~comprise~~ at least one rib, provided on one of the foot and the lens holder, as well as at least one slot for receiving and retaining the rib, provided in another of the foot and the lens holder.

4. (Currently Amended) Imaging module, ~~according to claim 1, further~~ comprising:

a lens holder holding a lens;

a foot holding an image sensor chip;

a detachable locking structure for fixing a mutual position of the lens holder and the foot with respect to each other in at least one direction; and

a coupling structure for coupling the lens holder and the foot,

wherein the locking structure utilizes a snap connection between the lens holder and the foot, and

wherein the coupling structure allows movement of the lens holder with respect to the foot in an axial direction, and on rotation of the lens holder and the foot relatively to each other in a rotational direction.

5. (Currently Amended) Imaging module according to claim 1 ~~14~~, wherein the lens holder has a cup-like structure defined by an annular wall and a base, wherein the base has an opening therethrough, and wherein the lens is positioned in an inner volume of the lens holder against the base and adjacent to the opening.

6. (Currently Amended) Imaging module according to claim 1 ~~14~~, wherein the locking structure allows a movement of the lens holder and the foot with respect to each other in an axial direction.

7. (Currently Amended) Imaging module according to claim 1 ~~14~~, wherein the coupling structure comprises ~~comprise~~ a flange on the foot as well as a flange on the lens holder, wherein both flanges comprise a contact surface, and wherein the contact surfaces abut against each other when the lens is at a maximum axial distance from the image sensor chip.

8. (Previously presented) Imaging module according to claim 7, wherein the contact surface of at least one of the flanges is inclined with respect to a plane extending perpendicular to an axial direction.

9. (Previously presented) Imaging module according to claim 1, further comprising a biasing structure for biasing the lens holder and the foot to a maximum axial distance with respect to each other.

10. (Currently Amended) A mobile phone, comprising:

a lens holder holding a lens;

a foot holding an image sensor ship; and

a locking structure for fixing a mutual position of the lens holder and the foot with respect to each other in at least one direction while allowing movement in an axial direction, wherein the lens holder has a wall and a base defining an inner volume, wherein the base has an opening therethrough, and wherein the lens is positioned in the inner volume of the lens holder against the base and adjacent to the opening,

wherein the locking structure utilizes a snap connection between the lens holder and the foot.

11. (Original) The mobile phone of claim 10, wherein the lens holder and the foot are prevented from any rotation with respect to each other by a coupling structure.

12. (Currently Amended) The mobile phone of claim 10, wherein the locking structure comprises ~~comprise~~ at least one rib, provided on one of the foot and the lens holder, as well as at least one slot for receiving and retaining the rib, provided in another of the foot and the lens holder.

13. (Original) The mobile phone of claim 10, further comprising a flange on the foot as well as a flange on the lens holder, wherein both flanges comprise a

contact surface, and wherein the contact surfaces abut against each other when the lens is at a maximum axial distance from the image sensor chip.

14. (Original) The mobile phone of claim 13, wherein the contact surface of at least one of the flanges is inclined with respect to a plane extending perpendicular to an axial direction.

15. (Original) The mobile phone of claim 10, further comprising a biasing structure for biasing the lens holder and the foot to a maximum axial distance with respect to each other.

16. (Currently Amended) An imaging module, comprising:

a lens holder holding a lens;

a foot holding an image sensor chip; ~~and~~

a locking structure for fixing a mutual position of the lens holder and the foot with respect to each other in at least one direction while allowing movement in an axial direction; and

a coupling structure comprising a flange on the foot as well as another flange on the lens holder,

wherein the lens holder and the foot are connected by a snap connection, and

~~wherein the coupling structure comprise a flange on the foot as well as a flange on the lens holder,~~ wherein both of the flanges comprise a contact surface, and wherein the contact surfaces abut against each other with the lens is at a maximum axial distance from the image sensor chip.

17. (Original) The imaging module of claim 16, wherein the lens holder has a wall and a base defining an inner volume, wherein the base has an opening

therethrough, and wherein the lens is positioned in the inner volume of the lens holder against the base and adjacent to the opening.

18. (Original) The imaging module of claim 16, wherein the foot slides along an inner surface of the lens holder while being prevented from any rotation with respect to the lens holder by a coupling structure.

19. (Currently Amended) The imaging module of claim 16, wherein the locking structure comprises ~~comprise~~ at least one rib, provided on one of the foot and the lens holder, as well as at least one slot for receiving and retaining the rib, provided in another of the foot and the lens holder.

20. (Original) The imaging module of claim 16, further comprising a biasing structure for biasing the lens holder and the foot to a maximum axial distance with respect to each other.